**Sample Translation App**

***Usage***

***02/24/2022***

***Table of Contents***

[1 Introduction 3](#_Toc98242350)

[2 Requirements: 3](#_Toc98242351)

[3 Setup 3](#_Toc98242352)

[3.1 Configure API Key 3](#_Toc98242353)

[4 Testing 4](#_Toc98242354)

[5 Usage 4](#_Toc98242355)

[5.1 Start the web server 4](#_Toc98242356)

[5.2 Open a Web Page 5](#_Toc98242357)

[6 Enter text to be translated 6](#_Toc98242358)

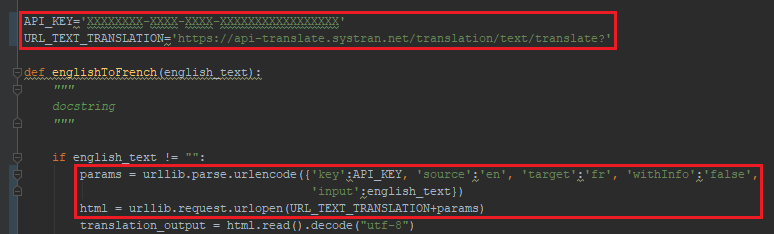
[6.1 English to French 6](#_Toc98242359)

[6.2 French to English 7](#_Toc98242360)

# Introduction

This is a simple client/server web application built in Python using the Flask web framework that utilizes a SYSTRAN TranslateAPI translation endpoint to perform translations.

The call to the SYSTRAN TranslateAPI occurs in ‘…\simple-translation-web-app\server\machinetranslation\translator.py’:



# Requirements:

* Python Version >= 3.6.0
* Flask v1.1.4

>> pip3 install flask==1.1.4

# Setup

## Configure API Key

From ‘…\simple-translation-web-app\server\machinetranslation\translator.py’ enter your API key:

A picture containing text

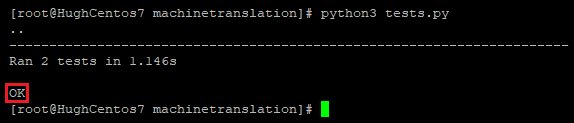
Description automatically generated

# Testing

To ensure the translation code is performing as expected, you may run the following unit test from ‘…\simple-translation-web-app\server\machinetranslation’

>> python3 tests.py

Output the tests should complete successfully indicated by the ‘OK’ as can be seen below.



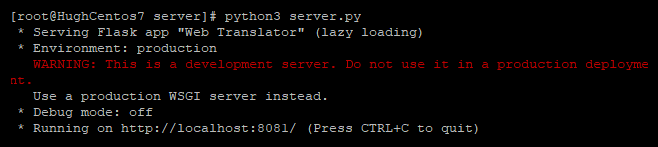
# Usage

## Start the web server

This will start the Flask server running on port ‘8081’

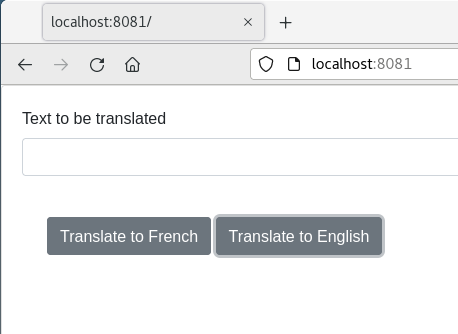
From ‘…\simple-translation-web-app\server\’

>> python3 server.py



## Open a Web Page

Open a web browser to ‘localhost:8081’:



# Enter text to be translated

## English to French

Graphical user interface, text, application, email

Description automatically generated

## French to English

Graphical user interface, text, application, email

Description automatically generated